

AC induction motor performance data

Record #85964 - Typical performance - not guaranteed values

Winding	07WGA0020
Type	0754M
Enclosure	PART

Nameplate data

Rated Output			10
Volts			230/460
Full Load Amps			28/14
R.P.M.			1140
Hz	60	Phase	3
KVA Code			G
S.F.			1.15
NEMA Nom. Eff.	88.5	Power Factor	72
Duty			15 MIN
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	45.75 LB-FT
Start Configuration	direct on line
Breakdown Torque	100 LB-FT
Pull-up Torque	76.65 LB-FT
Locked-rotor Torque	93.02 LB-FT
Starting Current	71.29 A
No-load Current	5.64
Line-line Res. @ 25°C	1.12 Ω
Temp. Rise @ Rated Load	80°C
Temp. Rise @ S.F. Load	106°C
Locked-rotor Power Factor	22.1
Rotor inertia	1.34 lb-ft ²

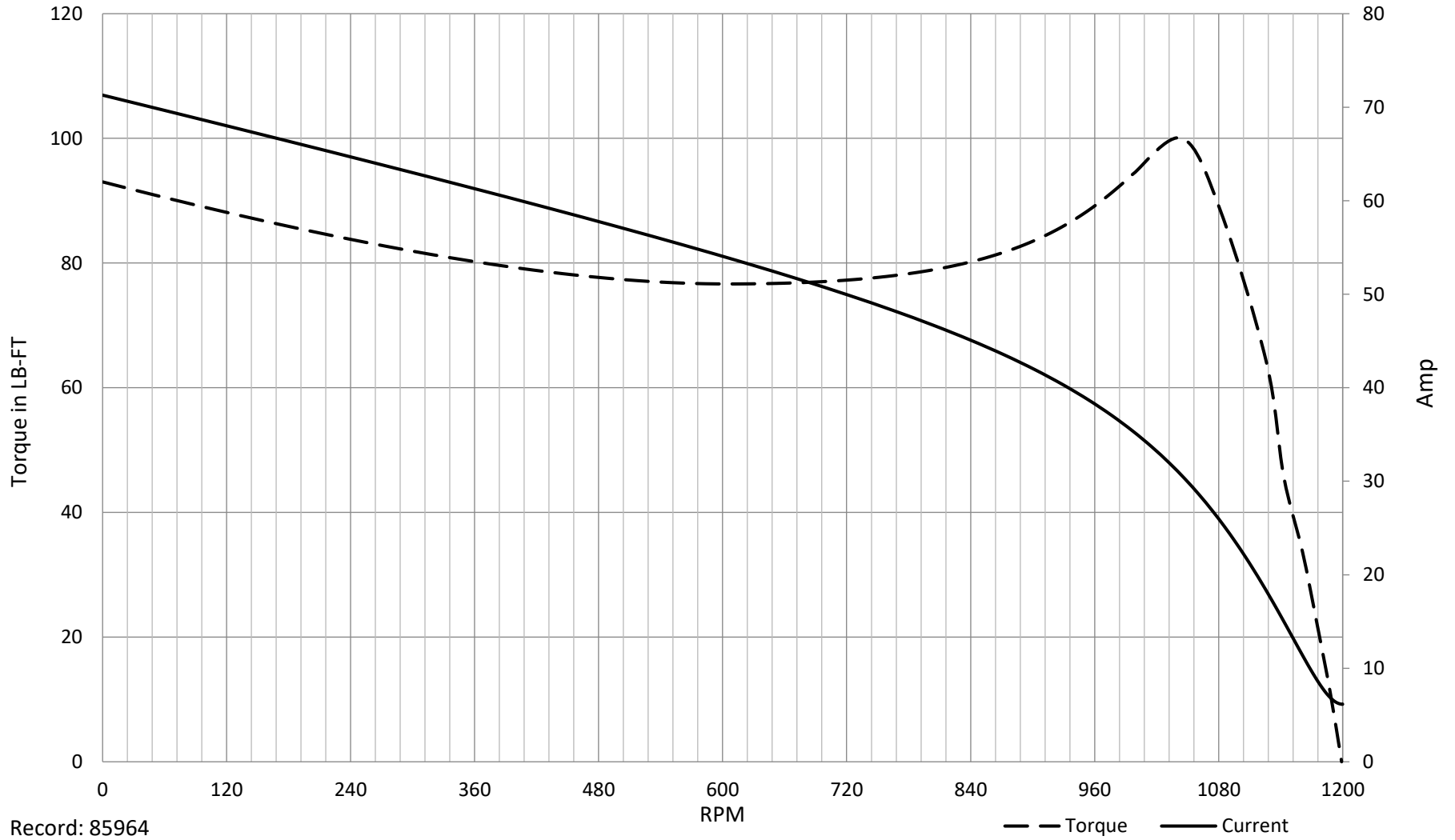
Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	4	41	62	71	74	74	67	74
Efficiency	0	87	90.3	90.2	89	86.7	80.6	87.6
Speed	1199	1188	1175	1161	1143	1120	1065	1129
Line amperes	5.64	6.32	8.23	10.98	14.28	18.53	26.83	16.8

SPEED TORQUE / SPEED CURRENT CURVES



07WGA0020
10HP 460V 60HZ



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--- Torque — Current